

ABSTRACT

A seek-servo apparatus and method used by a hard disk drive is capable of making the actual position of a head correctly follow the target position of the head irrespective of time delay. The seek-servo apparatus of a hard disk drive is capable of moving a head to a desired track location, and includes an actuator which moves the head to the desired track location in response to an acceleration command having a target acceleration, which leads a target velocity and a target position by a predetermined time. Therefore, the head can be correctly positioned at a desired location on a desired track in real time, and the time for the head to read/write information can be significantly shortened.